



Model Number

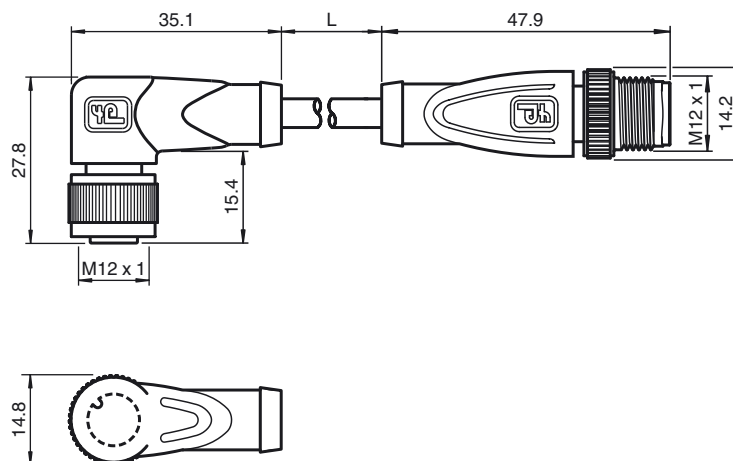
V15-W-E8-BK20M-PUR-A-V15-G

Double-ended cordset, M12 to M12,
LED, PUR cable, 5-pin

Features

- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool assembly
- Improved resistance to weld slag
- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free from substances that impair paint wetting
- Gold plated contacts

Dimensions



Technical data

General specifications

Number of pins	5
Connection 1	socket
Construction type 1	right angle
Threading 1	M12
Connection 2	Male connector
Construction type 2	straight
Threading 2	M12
UL File Number	E231213

Indicators/operating means

LED green	Operating display
LED yellow	Functional display NO contact 4
LED red	Functional display NO contact 2

Electrical specifications

Operating voltage	U_B	max. 24 V DC $\pm$ 15%
Operating current	I_B	max. 4 A
Volume resistance		< 5 m Ω

Ambient conditions

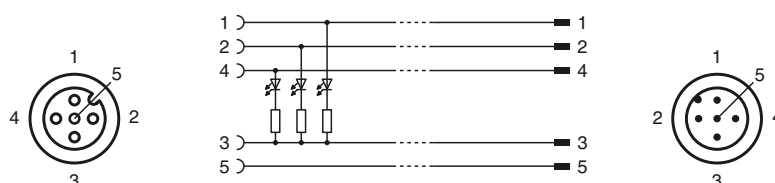
Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, transparent/black
Cable	PUR
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	$\varnothing$ 4.7 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Number of cores	5
Core cross-section	0.34 mm ²
Conductor construction	42 x 0.1 mm $\varnothing$
Length	L 20 m

Drag chain suitability

Electrical connection





Drag chain cycles	≥ 5000000 (at max. 60 °C)
Motion velocity	≤ 3.3 m/s
Traverse distance	5 m horizontal
Acceleration	≤ 5 m/s ²
Torsion cycles	≥ 1000000 (at max. 60 °C)
Torsional stress	± 180 °/m
Flammability	
Contact carrier	94 HB
Housing	94 V-2
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Grip: UL 94 Cable: UL 758 / UL 1581
Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815
Approvals and certificates	
UL approval	UL Recognized General purpose

Accessories

MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

MH V1-BIT M12
plug-in cap M12

V1/V3-LABELHOLDER
Label holder

V1/V3-LABEL
Label plate

MH V1-Holder
Modular universal holder for M12 connectors

V1-CLIP
Unlocking protector for M12 connector

V1-MARKING-RING-BLUE
Marking ring for M12 plug

V1-MARKING-RING-GREEN
Marking ring for M12 plug

V1-MARKING-RING-ORANGE
Marking ring for M12 plug

V1-MARKING-RING-RED
Marking ring for M12 plug

V1-MARKING-RING-WHITE
Marking ring for M12 plug

V1-MARKING-RING-YELLOW
Marking ring for M12 plug